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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/853,038	05/11/2001	Yukihiro Watanabe	P100725-00040	5084	
7					
ARENT FOX KINTNER PLOTKIN & KAHN, PLLC 1050 Connecticut Avenue, N.W., Suite 600 Washington, DC 20036-5339			EXAMINER		
			BINDA, GREGORY JOHN		
			ART UNIT	PAPER NUMBER	
		3679	"Zı		
			DATE MAILED: 08/05/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

5		Application No.		applicant(s)	<del></del>			
Office Action Summary		09/853,038		VATANABE ET AL				
		Examiner		Art Unit	<u> </u>			
		Greg Binda		679	1.N N			
	The MAILING DATE of this communication				Iress +			
Period fo		••		•	V \			
THE I - Exter after - If the - If NO - Failui - Any n	ORTENED STATUTORY PERIOD FOR REMAILING DATE OF THIS COMMUNICATIO sisons of time may be available under the provisions of 37 CFF SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a period for reply is specified above, the maximum statutory per to reply within the set or extended period for reply will, by stated by received by the Office later than three months after the midd patent term adjustment. See 37 CFR 1.704(b).	N. t 1.136(a). In no event, howeverther in the statutory minified will apply and will expire Statute, cause the application to	ver, may a reply be timely mum of thirty (30) days w IX (6) MONTHS from the become ABANDONED (	filed ill be considered timely. mailing date of this cor (35 U.S.C. § 133).	t mmunication.			
1)⊠	Responsive to communication(s) filed on g	09 June 2003 .						
2a) <u></u> □	This action is <b>FINAL</b> . 2b)⊠	This action is non-fir	nal.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims		•					
4)🖾	Claim(s) 1-7 is/are pending in the applicati	on.						
4a) Of the above claim(s) is/are withdrawn from consideration.								
5)	Claim(s) is/are allowed.							
6)⊠	Claim(s) <u>1-7</u> is/are rejected.				·			
7)	Claim(s) is/are objected to.							
•	Claim(s) are subject to restriction an on Papers	d/or election requirer	nent.					
9) 🗌 -	The specification is objected to by the Exam	iner.						
10) 🔲 🗀	The drawing(s) filed on is/are: a)□ a	ccepted or b) objecte	ed to by the Exami	ner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.								
If approved, corrected drawings are required in reply to this Office action.								
12)☐ The oath or declaration is objected to by the Examiner.								
Priority u	ınder 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).								
a)[	⊠ All b)  Some * c)  None of:							
	1. Certified copies of the priority docum	ents have been rece	ved.		•			
	2. Certified copies of the priority documents have been received in Application No							
<ul> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>								
14) 🗌 A	cknowledgment is made of a claim for dom	estic priority under 3	5 U.S.C. § 119(e)	(to a provisional	application).			
a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.								
Attachmen	·	•						
1) Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(		Interview Summary (F Notice of Informal Par Other:					
U.S. Patent and T PTO-326 (Re		Action Summary	P	art of Paper No. 21				

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1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

## Continued Examination Under 37 CFR 1.114

- 2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on June 9, 2003 has been entered.
- The indicated allowability of claims 1-7 is withdrawn in view of the newly discovered reference JP 8-326770. Rejections based on the newly cited reference follow.

## Claim Rejections - 35 USC § 102

4. Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 8-326770.

Figs. 1-3 show a tripod constant velocity joint comprising an outer joint member 1 having three axial track grooves 1a in an inner periphery and roller guide surfaces 1a formed in opposing side walls of each track groove; a tripod member 2 having three radially projecting trunnion journals 2a; and rollers 3 that rotate around respective trunnion journals through a plurality of needle rollers 6 and received in the track grooves, each roller 3 being guided on a part spherical outer peripheral surface by the roller guide surfaces. Fig. 3C shows that the contact between the roller

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3 and the roller guide surfaces 1a is circular contact having a contact ratio 1.02 - 1.2, wherein the width dimension of the roller 3 is reduced to an extent that a contact ellipse produced by the roller during application of a predetermined torque does not deviate from an end surface of the roller 3. The figures show that the ratio Ls/do is 0.24 - 0.27. Figs. 3A & 3C shows the roller guide surface 1a with relief portion that in Fig. 3C at least is a smooth arc.

## Conclusion

- 5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US 5,474,500 is the U. S. equivalent of FR 2,672,092.
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Greg Binda whose telephone number is (703) 305-2869. The examiner can normally be reached Monday through Thursday from 9:30 am to 7:00 pm. The examiner can also be reached on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynne Browne, can be reached on (703) 308-1159. The fax phone number is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-2168